

Remarks

The claims are 1-37. Claim 30 has been amended. No new matter is introduced herein.

The Examiner has indicated that the claims are directed to the following inventions:

- I. Claims 1-29 drawn to a method for designing a filter; and
- II. Claims 30-37 drawn to an electromagnetic matched filter.

The Examiner has indicated that the inventions are considered distinct from each other for the indicated reason that the apparatus as claimed can be used to practice another and materially different process.

Applicant hereby elects the invention of Group I comprising claims 1-29 without traverse and without prejudice.

In addition, Applicant has amended independent claim 30 to further recite that the electromagnetic matched filter claimed is designed in accordance with the method of claim 1. Claims 31-37 are dependent from claim 30. For these reasons, Applicant respectfully submits that claims 30-37 are seen as coming within the invention of Group I, and consideration of claims 30-37 is respectfully submitted for this reason.

In view of that is set forth above, Applicant respectfully submits allowance of the present application. The Examiner is invited to contact the undersigned for any clarification of this response.

Respectfully submitted,

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